K020091

SYBRON DENTAL SPECIALTIES

MAR 2 1 2002

Section III - 510(k) Summary of Safety and Effectiveness

Submitter:

Sybron Dental Specialties, Inc.
1717 West Collins Avenue
Orange, California 92867
(714) 516-7484 - Phone
(714) 516-7488 – Facsimile
Colleen Boswell – Contact Person

Date Summary Prepared: January 2002

Device Name:

- Trade Name – *Optilux 501*
- Common Name – Curing Light
- Classification Name – Ultraviolet activator for polymerization, per 21 CFR § 872.6070

Devices for Which Substantial Equivalence is Claimed:

- Kerr Corporation, *Optilux 400*

Device Description:

The *Optilux 501* is a device used for the polymerization of dental materials using visible light. It consists of a control unit and cord connected hand piece. The molded plastic control unit contains a power inlet receptacle for a detachable mains power cord, fuse holders and fuses, mains wiring, mains supply isolation transformer, printed circuit board with control circuitry for lamp and cooling fan functions and an integrated curing radiometer. The cord connected molded plastic hand piece contains a low voltage halogen lamp, optical filter assembly and fiber optic light guide that generates visible (blue-white) light energy having the wavelength range of approximately 400nm – 505 nm. The hand piece also contains a small printed circuit board with a micro-switch for activation of the curing lamp.

Intended Use of the Device:

The intended use of the *Optilux 501* is for the polymerization of light cure materials and activation of dental bleaching materials.

Substantial Equivalence:
Optilux 501 is substantially equivalent to other legally marketed devices in the United States. *Optilux 501* functions in a manner similar to and is intended for the same use as the *Optilux 400* designed by Kerr Corporation.

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DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

MAR 21 2002

Kerr Corporation
Ms. Colleen Boswell
C/O Sybron Dental Specialties, Incorporated
1717 West Collins Avenue
Orange, California 92867

Re: K020091
Trade/Device Name: Optilux 501
Regulation Number: 872.6070
Regulation Name: Curing Light
Regulatory Class: II
Product Code: EBZ
Dated: January 7, 2002
Received: January 10, 2002

Dear Ms. Boswell:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies.

You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 21 CFR Part 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4613. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address http://www.fda.gov/cdrh/dsma/dsmamain.html

Sincerely yours,

Timothy A. Ulatowski
Director
Division of Dental, Infection Control
and General Hospital Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

Section I

Indications for Use Statement

Ver/ 3 - 4/24/96

Applicant: Kerr Corporation

510(k) Number (if known): K020091

Device Name: Optilux 501

Indications For Use:

The *Optilux 501* is a visible curing unit intended for polymerization of light cure materials and activation of dental bleaching materials.

Susan Runner

(Division Sign-Off)
Division of Dental, Infection Control,
General Hospital Devices
510(k) Number K020091

(PLEASE DO NOT WRITE BELOW THIS LINE - CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

(Per 21 CFR 801.109)
(Optional Format 1-2-96)